

CLAIMS

What is claimed is:

1. A vapor vent valve for a fuel pump module comprising:
a valve assembly, said valve assembly releasably attaching to a bottom side of a fuel pump modular flange mounted to a fuel tank, said modular flange having a valve seat on the bottom side of said flange, said valve seat defining a circumferential area around an aperture through the modular flange, said modular flange having at least one valve assembly attachment means proximal to the valve seat on the bottom side of said modular flange for attachment of the valve assembly.
2. The vapor vent valve of Claim 1 wherein the valve assembly attachment means comprising at least one deflectable leg member.
3. The vapor vent valve of Claim 1 wherein said valve assembly comprises a valve housing having at least one open end, a float stop means opposite said open end, said housing defining an interior float area, slidably retaining a buoyant float assembly in the interior float area within the valve housing, said float assembly having a valve member extending towards said open end of said housing abutting said valve seat when fuel in said fuel tank pushes said buoyant float assembly upwards in the valve housing.

4. The vapor vent valve of Claim 3 wherein said valve housing has at least one attachment tab for attaching the valve assembly to the valve assembly attachment means of the modular flange.

5. The vapor vent valve of Claim 3 wherein when the buoyant float assembly is forced upwards completely in the valve housing, the valve member forms a seal against the valve seat of the modular flange.

6. The vapor vent valve of Claim 3 wherein when fuel ceases to exert upward force on the float assembly, the float assembly slides downward until it rests against the float stop means, forming a gap between the valve member and the valve seat of the modular flange, allowing vapor to exit freely.

7. The vapor vent valve of Claim 3 wherein when fuel ceases to exert upward force on the float assembly, the float assembly slides downward until it rests against the float stop means, forming a gap between the valve member and the valve seat of the modular flange, allowing vapor to exit freely.

8. A vapor vent valve for a fuel pump module comprising:
a valve assembly, said valve assembly having a valve housing having at least one open end, a float stop means opposite said open end, said housing defining an interior float area, slidably retaining a buoyant float assembly in the interior float area, said float assembly having a valve member extending

towards said open end of said housing, said valve assembly releasably attaching to a bottom side of a fuel pump modular flange mounted to a fuel tank, said open end of the valve assembly facing the modular flange, said modular flange having a valve seat on the bottom side of said flange, said valve seat defining a circumferential area around an aperture through the modular flange, said modular flange having at least one valve assembly attachment means proximal to the valve seat on the bottom side of said modular flange for attachment of the valve assembly to the modular flange aligned with the valve seat, said valve assembly attachment means comprising at least one deflectable leg member engaging with an attachment tab on the valve assembly.

9. The vapor vent valve of Claim 8 wherein when float assembly is fully forced upwards in the valve housing, the valve member forms a seal against the valve seat of the modular flange.

10. The vapor vent valve of Claim 8 wherein when fuel ceases to exert upward force on the float assembly, the float assembly slides downward until it rests against the float stop means, forming a gap between the valve member and the valve seat of the modular flange, allowing vapor to exit freely.

11. The vapor vent valve of Claim 8 wherein when fuel ceases to exert upward force on the float assembly, the float assembly slides downward until it

rests against the float stop means, forming a gap between the valve member and the valve seat of the modular flange, allowing vapor to exit freely.